

Marina Management Measure Implementation Objectives for 6217 Watershed

Objective	Measures of Success	Resources Needed	Responsible Agency	Time Frame
Objectives 1-5 concerning locating and constructing marinas. Site and design new marinas so that all new marina construction to have good circulation. No environmental degradation. Stormwater runoff control from parking lots and walkways, rooftops, & other hard surfaces.	1) Post construction proves no degradation. 2) Improved habitat for aquatic species.			
Objectives 6 & 11 concerning petroleum products. Ensure that no petroleum products enter the waters. Ensure good fueling station design and operation. Ensure proper disposal for used oil, gas, & bilge water.	1) Elimination or reduction of oil or gas spills at boat docks or from marine vessels. 2) No use of oil booms illustrates success.			
Objectives 7 & 14 concerning sewage disposal. Assure that sewage pumpout stations and MSD's are present, used, and properly maintained. Petition EPA to make Indiana waters no-dump zone for MSD's.	1) No sewage spills. 2) Annual survey of marinas to ensure pumpouts are used & maintained. 3) EPA designates Indiana waters as no dump zone for MSD's.			
Objective 8 concerning solid waste management. Marinas provide readily available facilities to dispose of paint chips, trash, food waste, garbage, etc. Marinas have collection basin in boat hull cleaning area for washing such that material does not go into the water.	1) Absence of litter in waterway along banks. 2) Enclosed boat hull cleaning basin available.			
Objective 9 concerning fish waste management. Marinas should provide adequate numbers of fish cleaning stations. Provide proper collection basins for the waste. And proper disposal for the fish waste such as a sewer line or off site disposal.	1) On site survey of the marina operators by agency staff to assure stations are properly used and maintained. 2) On site survey of fisherman. 3) Use fishing clubs to assist with this management measure.			
Objective 10 concerning liquid materials. Marinas should provide collection sites for hazardous liquid materials and provide for proper disposal.	1) Provides site for disposal and show proof of disposal, such as a contract or receipt.			



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Objective 13 concerning public education. Onsite visits from appropriate officials. Marina operators provide list of regulations/services to each registered user (for example: when check is collected, an information pamphlet is provided.) Same thing for pay to launch users, they receive an information pamphlet. When licensing a boat, get a pamphlet. Mooring registration payment, get a pamphlet.	1) Have adequate brochures on hand. 2) Marinas invite participation.			
Objective 15 concerning boat operation. Marinas must maintain proper dredging to facilitate adequate bottom depth to assure that boats don't stir bottom sediment. Boat owners shall not cause disturbance of bottom, ie: propeller dredging.	1) Turbidity in marinas is absent and no boat trails are observed.			